

# SALV



"SERVICE TO THE LINE, ON THE LINE, ON TIME"



**SINCE 1813**

Vol. 10, No. 12

U.S. Army Watervliet Arsenal, Watervliet, NY

Dec. 31, 2010

## What might have been...



By John B. Snyder

The last surviving member from a family of warriors that never experienced the heat of battle will return home to the Watervliet Arsenal early next year under a military escort provided by the New York National Guard.

The Soldiers, who will be on an official mission, will travel to Vermont and secure the warrior. With all due caution, they will bring this survivor back to the Arsenal where it will spend its last days.

Of all the splendor of what might have been, an experimental lightweight 155mm howitzer, which was designed, engineered, and manufactured at the Watervliet Arsenal, will once again stand proud when these Guard Soldiers claim, "End of Mission."

It is the last of its kind.

*Please see Howitzer on Page 3*





## Commander's Corner

As the year draws to a close, a chance for reflection, if not renewal, is in the air as it has been for nearly 200 years at the Arsenal.

On this hallowed ground, please take a moment during this holiday season and think about the hundreds of thousands of workers who have preceded you. Children, as young as 12, once toiled in our workshops performing the dangerous job of making cartridges during the War of 1812, and as many as 2,000 children worked in the Arsenal during the Civil War.

During the Mexican-American War, the Arsenal workforce lost two of its workers in a fire while manufacturing fuzes for the war effort. Workers were under so much pressure due to tight delivery schedules during this war that they often shipped unpainted carriages with a keg of paint in hopes that someone could find time to paint them.

The Arsenal has also had its share of those who would instill greatness on the Arsenal.

During the 1880s, two things were clear: Congress was in no mood to adequately fund the Arsenals in the Army inventory; and the concept of modern warfare required the nation to create a large caliber gun factory.

Former Arsenal commander Lt. Col. Alfred Mordecai was selected to sit on a Board of Ordnance Officers who were tasked to select a site for a national gun factory. After great debate, and with Mordecai as our cheerleader, the Watervliet Arsenal was selected over the Frankford and Watertown Arsenals to be the nation's first large caliber manufacturer. By 1889, the Arsenal transformed itself from producing saddles and gun carriages to cannons.

There are countless other acts of greatness in our history that cannot be adequately captured in this short note. Suffice it to say, through our collective efforts we remain today as the only large caliber manufacturer in our nation's inventory.

After you read this note, please walk around the Arsenal and think about what we have been, what we are now, and



Photo by John B. Snyder

**Machinist Carl Pearson takes a moment during his work in December to show Arsenal Commander Col. Mark F. Migaleddi the finer aspects to machining a tube.**

what we will become. Although some of our buildings date back to 1828, our spirit and professional dedication to support our nation's servicemen and women are as alive today as they were in 1813.

So, how will you be remembered in the history books one hundred years from now? Make no mistake; what you do today is just as important to our servicemen and women as what our workforce did nearly 200 years ago.

As I do my own sense of reflection and renewal this holiday season, there is one thing that is abundantly clear to me —For almost 200 years, Soldiers in harms way share two things: A grateful nation's thanks and hopes of a safe return home, and the confidence in using a high quality mortar or cannon made by our Arsenal workforce.

I am very honored to be your commander at this pivotal period in the Arsenal's history. Together, shoulder to shoulder, we will march the Arsenal toward a new era of greatness. This sense of renewed spirit starts today and will guide us tomorrow.



Mark F. Migaleddi  
Commanding  
*Manufacturer 6*



**Commander, Col. Mark F. Migaleddi**  
**Public Affairs Officer, John B. Snyder**  
**Editor, John B. Snyder**  
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**Billy Martin**

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**and DVIDSHUB.NET**

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## Howitzer:

### cont. from page 1

After the battlefield success against Iraqi forces during the early 1990s, came about a drive by Army leaders to “lighten the load” of combat systems so that the military might more quickly deploy to combat zones. In essence, 60-ton weapon systems take a lot of logistical effort to move from stateside locations to such places as Iraq and Afghanistan.

Those who were responsible for the Army’s acquisition of field artillery systems turned to defense contractors, as well as to its sole Army-owned large caliber manufacturer, the Watervliet Arsenal, to field lighter artillery systems.

According to Paul Koelbel, who was on the development team with Lockheed Martin Defense Systems at the time and who is now an engineer with the Army’s Benét Laboratory, some of the challenges to this redesign were how to maintain the weapon’s capabilities in regards to type of munitions fired, number of rounds per minute fired, and the weapons maximum effective range in light of a significant reduction of weight.

“We wanted to lower the weight by nearly 40 percent and do so without any loss to firepower of the conventional towed 155mm howitzers of the time,” Koelbel said.

When Lockheed Martin came to Benét in 1995 with not much more than a desire to design and test fire a new lightweight 155mm howitzer within 12 months, there were some who thought that this might be a bridge to far.

But Robert Mysliwiec, team leader at Benét, said that Benét and the manufacturing center at the Arsenal welcomed the challenge.

“Trying to reduce the weight from more than 16,000 pounds to less than 9,000 pounds, and do so within 12 months was both exciting as well as stressful,” Mysliwiec said.

“By 1995, there was a heated race by at least four defense contractors to design, develop, and test a new lightweight artillery system and the Watervliet Arsenal was in the thick of it thanks to the unique capabilities that reside at this post,” Mysliwiec added.

The Army’s Benét Laboratory, which is a premier future weapons research and design facility, is collocated



Photo by USMC

**USMC M777 155mm howitzers stand ready in the deserts of Iraq in 2008. This howitzer system beat out the Lockheed Martin design in 1996 and is now fielded in Marine and Army field artillery units.**

with the Watervliet Arsenal’s manufacturing center. Together, these two Army facilities can rapidly take a concept through prototype development to full production within a five minute walk of each other.

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### *Former Arsenal warrior returns home*

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Koelbel said that only two prototype howitzers were tested by Lockheed in the deserts of Yuma Proving Ground, Ariz., in 1996. Although this gun was nearly 40 percent lighter than the 155mm towed howitzers that were in the Army’s inventory at that time, the Army

did not select this gun system for fielding.

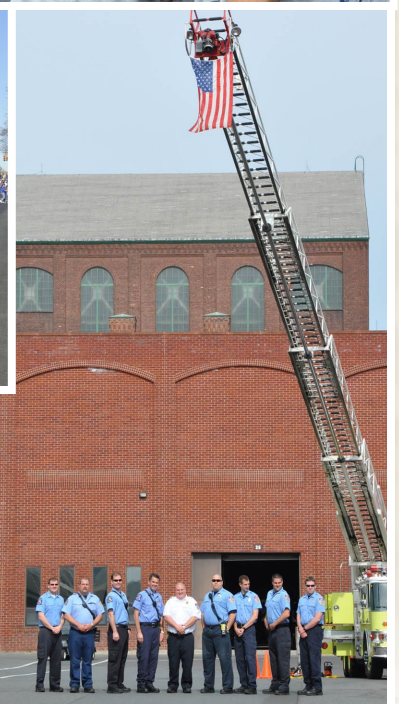
Instead of destroying this last experimental gun, the General Dynamics test range facility in Jericho, Vt., is donating the gun, at no cost, to the Watervliet Arsenal in hopes that the gun will help tell the story of artillery warfare. General Dynamics acquired the gun when the Lockheed Martin operation was sold in 1997.

Although workers at Benét Labs and the Watervliet Arsenal were initially saddened by Lockheed’s setback, they still came out winners. BAE Systems won the competition to replace the former M198 155mm howitzer with an M777 155mm lightweight howitzer. The Arsenal manufactures the barrels and other subassemblies for BAE’s M777 howitzer for the Marines and the Army.

Although Benét is located on the Arsenal, it falls under the command of the U.S. Army Armaments Research, Development and Engineering Center (ARDEC). Their research and design capability is often leveraged by the Arsenal to improve production methods and products.



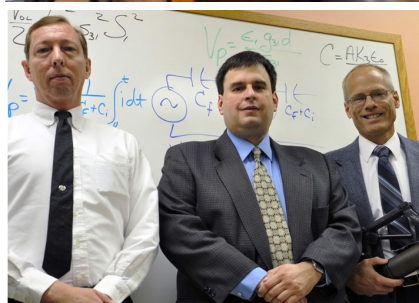
# 2010 Review



Photos by John B. Snyder



# 2010 Review



Photos by John B. Snyder



# John continues to guide troops

By John B. Snyder

I recently visited John McKenna's room and what a wonderful place it is. In a space about 10' x 12' one will find all the comforts of home.

TV...Check

Computer...Check

Refrigerator...Check

Quilts knitted by moms...Check

Love, compassion, and support...

Check

The bottom line is that John's room is not as comfortable as my old room at home, it is better.

Although John wasn't there, Albany County Sheriff Lt. Douglas Buzzard was there to ensure John's room was well stocked with food supplies and ready for visitors.

Manning John's room with Buzzard were two Veterans, Jim Moody and Bill Mahoney. Together, these three were on duty, so to speak.

As I was reading a note that was posted on the refrigerator from a 7-year old girl — which was addressed to "Soldiers" and thanked them for all that they did — a Soldier walked into John's room.

Pvt. Deven VanWormer, with duffle bag in hand, shyly walked into the room and had a look in his eyes, just like a kid in a candy store. All the marvels that a young Soldier could have, from video games to TV to recliners, were in the room.

VanWormer was hesitant at first until Buzzard, Moody, and Mahoney made him feel at home and told him to help himself to anything in the room. Although I love my mother, she was never as accommodating as these guys.

After VanWormer settled in, Buzzard asked the Soldier why he was there, in John's room, and Vanwormer said that he had been on convalescent leave from the Army and he was finding his way back to Fort Benning, Ga.

Buzzard looked in VanWormer's hand and saw the Soldier had a ticket. Buzzard asked about his flight plans and found that VanWormer had a long layover at Albany, as well as in a connecting city en route to Atlanta.

Not wanting the young Soldier to have a difficult travel day, Buzzard latched onto him and marched him to the ticket counter.

Within minutes, VanWormer had a direct flight to Atlanta and would be leaving in a matter of minutes.

As I talked more to Buzzard, Moody, and Mahoney I discovered that they, as well as 100 other volunteers, have provided support to more than 2,800 troops since April 2010. All of this thanks to the comforts of John's room.

I liked John McKenna's room and wished John could have been there. All the comforts of home, to include love, compassion, and caring, resonated from wall to wall, and from volunteer to volunteer.

I'm sure John would be proud of what the volunteers have achieved, of the community spirit, and the fact that servicemen and women would have a safe, comfortable place to ease them through their many challenges of travel.

Yes, John would like what I saw and maybe he did. Marine Capt. John J. McKenna was killed in action in Fallujah, Iraq, on Aug. 16, 2006.

His room, The Capt. John J. McKenna Military Courtesy Room, was established at the Albany International Airport by Buzzard and John's father, John J. McKenna III, in April 2010. Buzzard is also the head of airport security for the Albany International Airport. Similar to what the USO has established at larger airports, this room was created to provide comfort to traveling servicemen and women.

According to the John J. McKenna website at [www.jmckennamilitarycourtesyroom.org](http://www.jmckennamilitarycourtesyroom.org):

"Capt. McKenna and his unit were on foot patrolling the streets of Fallujah, Iraq, when his unit came under coordinated sniper attack. Lance Cpl. Michael Glover, who was the point man for the patrol, was struck by a sniper's bullet and lay wounded on the ground. Capt. McKenna immediately called for his men to throw smoke grenades around Cpl. Glover. Capt. McKenna ordered his men to maintain the position of cover and went into the cloud

of smoke to aid Cpl. Glover. As Capt. McKenna was dragging Cpl. Glover to safety, he was hit by sniper fire."

John served with Company F, 2nd Battalion, 25th Marines in Albany and he was also a New York State Trooper for Troop F.

**John's room is open 7 days a week, from 8 a.m. to 8 p.m., and is manned by more than 100 volunteers. If you wish to support, whether with a monetary donation or with time, you may call (518) 242-4415 or stop in. John's room is located on the third floor of the Albany International Airport.**



Photos by John B. Snyder

**Top Photo: Capt. John J. McKenna Military Courtesy Room.**

**Bottom Photo: From left, Jim Moody, Albany County Sheriff Lt. Douglas Buzzard, Pvt. Deven VanWormer, and Bill Mahoney stand by Capt. John J. McKenna's plaque that is proudly hung in the courtesy room.**



# Arsenal History

## Civil War Divided Country, Family

By Paul Marcello  
Arsenal Museum

The commander of Watervliet Arsenal faced an untenable situation on April 12, 1861. Southern forces had fired upon the Federal garrison at Fort Sumter, Charleston, S.C., thus igniting Civil War. Maj. Alfred Mordecai, the pioneer of developing and testing weaponry, was a Southerner with a Northern wife.

Born and raised in the small town of Warrenton, N.C., Mordecai's siblings still lived in the South and sympathized with the Confederacy. Fighting against them was out of the question; therefore his solution was to seek a transfer to the West from the chief of ordnance. Mordecai's request was denied, so he resigned his commission rather than choose sides.

Mordecai was born Jan. 3, 1804 into an Orthodox Jewish family. His father, a merchant and veteran of the Revolutionary War, stressed the importance of education upon his son. The young boy agreed and became an extraordinary scholar, becoming fascinated with mathematics, the Hebrew and French languages and the study of the Napoleonic campaigns. His excellent academic achievement won him an appointment to the United States Military Academy at West Point.

Entering West Point at the age of 15, Mordecai found adjusting to the academy difficult due to his religious practices. As an Orthodox Jew, there was no kosher food available and the only religious services were the mandatory Presbyterian

service each Sunday. Despite this hardship, Mordecai reveled in the scientific education he was being given. Brilliant in technological topics, Mordecai, graduated at the top of his class as the only 19-year-old in the class of 1823.

Staying on as an engineering instructor at West Point, Mordecai later transferred to the Ordnance Corps in 1832. While serving in this branch, he went on to command the Washington and Frankford Arsenals. It was at these posts that he began the work that made him one of America's finest ballisticians.

In 1841, Mordecai authored *Ordnance Manual for the Use of Officers of the United States Army*, the first ever manual that standardized the manufacture of weapons with interchangeable parts. He also performed experiments with gunpowder and artillery and published the results in his 1845 work *Digest of Military Laws*.

Mordecai's most influential work was accomplished at the request of Secretary of War Jefferson Davis in 1855. He was sent on a one-year tour of Europe to study the arms then being employed in the Crimean War.

Along with future Commander of the Army of the Potomac George B. McClellan, they steamed from Boston Harbor May 11th for the port of Liverpool, England. Mordecai studied the weaponry of England, Russia, France and Turkey for the next 12 months. He compared and



Photos by Arsenal Museum

Maj. Alfred Mordecai commanded the Arsenal up to the start of the Civil War. His son, Lt. Col. Alfred Mordecai Jr., commanded the Arsenal on two occasions.

contrasted each nation's arms and reveled in the minutia of each.

Upon his return to the United States, Mordecai compiled his notes for publication. His work *Military Commission to Europe* was released in 1858 while the major was in command of Watervliet Arsenal and it is considered a classic of American military science. His findings were instrumental in the permanent adoption of rifled muskets over their previously used smoothbore cousins. Mordecai was at the pinnacle of his career.

So it was with a heavy heart that Mordecai faced a moral and emotional dilemma as the first solid shots struck the masonry of Fort Sumter. Fighting against his wife's Northern family was objectionable, but taking up arms against his Southern family was anathema. Mordecai's only choice was to resign his commission on May 2, 1861. Although he refused to raise a hand to either side during the Civil War, it is ironic that Alfred Mordecai's technological innovations contributed greatly to the 620,000 casualties brought upon by it.



# Operations Director says it's a wrap

By John B. Snyder

During my travels this month through the Arsenal, I stumbled upon TV cameras and a film crew in Building 35. As I wandered up to the film site, my heart began to pitter-patter as thoughts that Angelina Jolie might be in town came into my very visual mind.

As I quickened my step toward the action, I looked left and right for something that I may use for Angelina's autograph. Finding a notebook on one of the tables next to a 105mm barrel being prepared for machining, I tore off the page that had some foreign calculations on it and then proceeded to the film crew and more importantly, to Angelina.

I, and not so carefully, weaved my way through the tangle web of cables, sound systems, camera booms and...my hopes were quickly dashed.

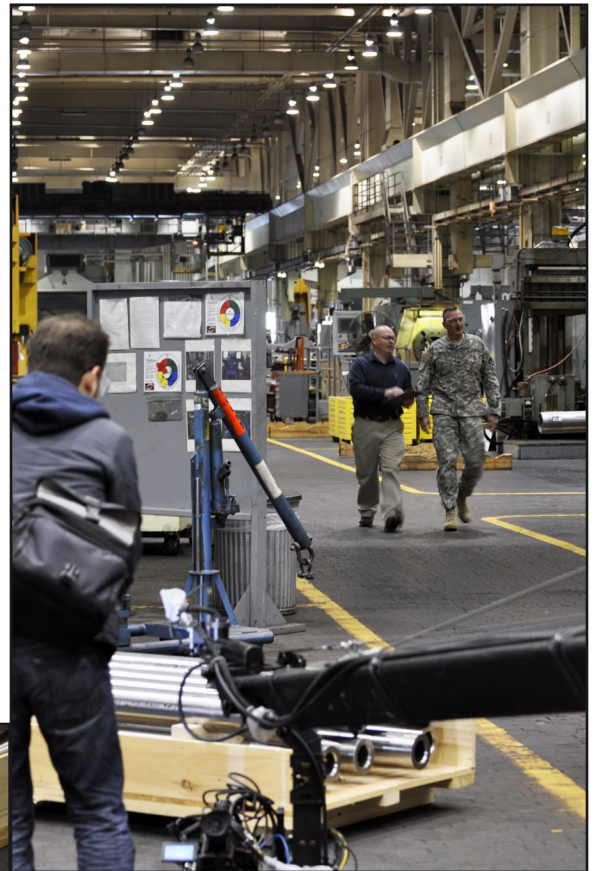
No Angelina.

No Cecil B. DeMille (okay, some of you may need to watch the old movies on the Turner Broadcast Channel to know who that is but most of you won't).

Only John Hockenbury stood at the center of the action.

For those who don't know Hockenbury he is the Director of Arsenal Operations. But for some reason, Hockenbury seemed to think that he was also a major film director that day.

I stood back and watched as Hockenbury directed the



Photos by John B. Snyder

**Top:** Media Stream cameraman positions boom as Col. Mark F. Migaleddi and Bill Dingmon walk along machinery during filming.

**Left:** Video Producer John Heaney, left, receives camera-angle guidance from Operations Director John Hockenbury during the three-day video shoot at the Arsenal.

action waving his hand to the film crew to move a camera this way and that way; pointing to a cast of extras by the names of Bill Dingmon and Carl Pearson and telling them to smile more; and telling the film producer what should happen next.

This all happened without Hockenbury spilling a drop of coffee from the cup in his non-directing hand. As impressive as Hockenbury is, he is no Angelina.

Being the inquisitive Arsenal reporter that I am — okay, I'm just nosy — I asked Hockenbury what was going on.

In the middle of his directing, John cocked his head on an angle, squinted his eyes, and then stared at me for what seemed like an eternity. I felt very uncomfortable because through Hockenbury's silence I gathered that I not only was wasting his time, but I was also interfering with his destiny. I could see it in his eyes...they sparkled "Hollywood."

Hockenbury curtly told me how the Arsenal Partnership had contracted with a local media company by the name of Media Stream to develop a series of marketing videos for the Arsenal. They were in the second day of shooting.

Make no mistake. Media Stream has a very active, hands-on producer by the name of John Heaney. But what Heaney didn't know prior to accepting the contract was the level of Hockenbury's inner drive to become famous.

When I figured out that I was a distraction to Hockenbury — okay, he told me I was — I decided to leave this site. As I began to move away from the camera action, I saw Arsenal Commander Col. Mark F. Migaleddi walk up.

The commander took some direction from Hockenbury and within one minute, he became part of the filming. As the commander walked down the bay aisle, with cameras in tow, I could see it in his eyes...they sparkled "Oscar."



# US, Iraqi explosives disposal teams destroy cache

**Editor's Note:** Some of you may read this story and wonder why we have included it in this month's Salvo. Ken Church, who works in the Arsenal's Installation Management Division, is the Command Sergeant Major for the New York National Guard's 501st EOD Battalion. Ken and his battalion will deploy to Iraq about the time you read this newsletter. This recent article from Iraq will give you a sense of what Ken and his team will be doing when they arrive in country.

To take this a step further, in talking with Command Sgt. Maj. Church and the Arsenal commander we thought it would be a nice gesture by us, as the Arsenal workforce, to sponsor the 501st EOD Battalion Headquarters element. This will be a way that we can not only maintain contact with one of our own, but also a way for us to maintain contact with local Soldiers who are in a combat zone proudly serving our country. More information to follow in the next couple of weeks.

## Maj. Jason Billington, 3rd ACR Public Affairs

Sand and smoke filled the air as explosives specialists from the 8th Iraqi Army conducted a joint demolition with Soldiers from the 75th Explosive Ordnance Disposal (EOD) Company to dispose of a stockpile of munitions.

The cache was discovered by the 31st Iraqi Army Brigade in Babil, Iraq, Dec. 4, and included four large barrels containing two dozen 115-millimeter projectiles and 1,100 pounds of Dinitrotoluene, a common precursor in the manufacturing of TNT.

The 8th Iraqi Army used the detonation as a training opportunity between U.S. and Iraqi explosives specialists. Such joint training events have become common as coalition forces seek to protect the citizens of Iraq and thwart insurgent attempts to destabilize the region.

"I am very happy to work in a position that allows me to keep the people of Iraq safe and bring glory to the Iraqi people," said Capt. Imad Jassim, an explosives expert with the 8th Iraqi Army Bomb Disposal Company.

Operation New Dawn, beginning in September, signaled a new role for U.S. forces in Iraq. Units like the 3rd Armored Cavalry Regiment, the parent unit of 75th EOD Company, now carry the primary mission of advising, training, and assisting Iraqi Security Forces. Much of this training does not occur in the classroom, but rather through live training opportunities such as these.

Explosives technicians from 75th EOD Company have established a unique working relationship with



Photo by U.S. Army

Explosives technicians from 8th Iraqi Army Division, joined by members of the 3rd Armored Cavalry Regiment and the 75th Explosive Ordnance Disposal Company secure a large stockpile of munitions at Joint Security Station Hamiyah. The Soldiers used the detonation as a joint training exercise between Iraqi and U.S. bomb disposal experts.

the 8th Iraqi Army BDC, and the Iraqi police counter explosives teams in the conduct of this dangerous training mission. A typical training day consists of basic demolition techniques, the use of bomb suits, robotics and remote door opening and detonation techniques.

"We are happy to conduct combined demolition operations with our Iraqi brothers," said Sgt. 1st Class Eric M. Raska, 3rd platoon sergeant of the 75th EOD. "The destruction of dangerous ordnance protects the citizens of Iraq from explosive hazards and provides an opportunity to build our relationship through joint demolition operations."

A billowing, black smoke cloud in the December sky put the exclamation point on another successful, high-stakes training event for this international group of explosives professionals.





**Congratulations!!!** Due to our exemplary achievements in Safety and Occupational Health for the past year, AMC has selected the Watervliet Arsenal as the recipient of the Industrial Operations Safety Award (Brigade Level) for Fiscal Year 2010.

“Given our inherently dangerous activities associated with manufacturing, we should all be pleased by our collective efforts to reduce our lost time rate by 58 percent from the AMC stated goal,” Colonel Mark F. Migaleddi said.

According to the Arsenal Safety Office:

**FY10 Rates**

- **Lost Time**
  - 58 percent below AMC goal
  - 75 percent below industry benchmark
- **Total Case Incident Rate**
  - 38 percent below AMC goal
  - 79 percent below industry benchmark
- **Total Lost Days from FY09 to FY10**
  - 30 percent reduction (179 days to 53 days)

So, what strategies were implemented or reinforced last year that fostered this climate of protecting the workforce?

1. In FY10, a new commander’s policy was established to perform command-level accident investigations within 24 hours of any incident. To reinforce the leadership’s commitment, this investigation was led by the commander who was joined by the Board of Directors, the area supervisor, and the injured employee.
2. “Clinic First” policy that required the Arsenal Health Clinic to be the first health care responder.
3. Joint effort by teaming medical personnel with personnel from compensation, safety, and Industrial Hygiene Office. This joint effort ensured that accidents were quickly reported, investigated, and that corrections were made to avoid similar incidents.
4. SharePoint database allowed the digitized collaboration of safety data.
5. “Find it, Fix it” program required each area supervisor to inspect their areas of responsibility on a bi-weekly basis and to report findings back to the Safety Office with corrective actions.
6. Safety communications were highlighted during weekly safety meetings where safety bulletins and special topics were reviewed.
7. Strong collaboration between the Safety Office with activities/tenants as Public Works, which had greatly enhanced situational awareness.

“We cannot point to one method or tool that has by itself made the difference in bringing about a safe environment at the Arsenal,” Migaleddi said. “It truly boils down to the synergy of all our efforts that has allowed our workforce to not only leave their jobs at the end of the day safely, but also to arrive home to their family whole.”

“This speaks volumes about the seriousness that our workforce exhibits every day to not only protect themselves, but also to protect their band of brothers and sisters,” Migaleddi added. “Simply, well done.”



## AMERICA'S ARMY: THE STRENGTH OF THE NATION™

### Strength also comes from having 'Heart'



Salvation Army Collection



City of Watervliet Head Start

Photos by Billy Martin

A young mother cried the other day because of what you did to her and to her family.

Did she cry because you were mean to her or to her family? No!

Did she cry because she was angry at you? No!

Did she cry because you made a positive difference to her and to her family this holiday season? Absolutely!

This mother is struggling, just as are thousands of other Americans, trying to raise a family in midst of a severe recession. Facing a cold December and bleak holiday season, she turned to the Watervliet Head Start office for help. She didn't ask for anything for herself. She was there for her three young children.

Elke Betters, the Family Development Specialist for the Watervliet Head Start Program, took this mother's request, as she did for hundreds of other families in Watervliet this year, and turned to an old community friend — the Watervliet Arsenal.

"We have had a great relationship with the Arsenal for nearly 10 years," Betters said. "Thanks to the Arsenal, many Watervliet children, from newborn to 17-years old, will have an enjoyable holiday this year."

And so, the young mother's tears were of joy as she collected three large bags of gifts that were given to her by the Arsenal workforce. Before she left, she slowly walked up to everyone in the room and gave them a tear-filled hug. Hard to measure the impact this stroke of

kindness had on this family other than to say it must be powerful.

Bob Pfeil, who is the Arsenal Museum Curator and who coordinated with the Arsenal Federal Managers Association for this gift drive, said the Arsenal workforce supported 26 families consisting of 57 children this holiday season.

Not to be outdone, the National Federation of Federal Employees Local Union #2109 also had a gift collection this year at the Arsenal, as they have for the last 21 years.

Charlie Hannan, who heads the union's efforts at the Arsenal, said the Arsenal workforce provided nearly 600 toys and \$400 to the Troy Salvation Army as a result of this year's toy drive.

Finally, in the last month, the Arsenal's Combined Federal Campaign program raised more than \$50,000 for numerous charities, said Lyn Wagner who is the CFC Program Coordinator for 2010.

What many outside the Arsenal fence line may not know is the size of the heart of the workforce.

The Arsenal's "heart," in essence its "character," is this month's Face of Strength because of what you do without seeking fanfare or celebration from those outside the fence line. Whether it is your donating annual leave to a fellow worker or your unwavering support to the community, you always step up to the challenge.



USS IOWA  
fires all 9  
16-inch guns  
in 1984



## Arsenal Retirees move to the Southwest

During the last U.S. Census, Americans had shown a propensity to move to the sunshine states. As a result, some states such as New York will lose Congressional seats during upcoming reapportionments. In essence, there are only 435 House of Representative seats and they are allocated based on population. So, as the population shifts from one state to another, Congressional seats shift right along with the population's movement.

Not to be outdone, some of our retirees that were manufactured by the Arsenal during World War II were found among these 16-inch guns in the sunshine deserts of Nevada. These guns are at the Hawthorne Army Depot.



## Arsenal History Trivia

### SALVO: December 1959

#### Arsenal-originated Program

The Value Analysis system of cost cutting, introduced within Ordnance by this Arsenal, has been made mandatory at all Ordnance installations with design and procurement missions. This action was taken by Maj. Gen. August Schomburg, Deputy Chief of Ordnance, at the recent Industrial Procurement Conference in Washington. He also noted the pioneering work of the Arsenal in originating Value Analysis and cited the job of introducing the concept to other installations performed by the Value Analysis Team consisting of Lt. Col. A.B.C. Nichols, Chief of National Industrial Division; Edward O. Greeson, Chief of Commodities Branch; and Raymond J. Spenard and Arless Mosher of the Value Analysis unit.

**The SALVO**  
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Watershed Arsenal, Watershed, New York  
August, 1958

**To Our Readers . . .**  
We hope you like the first issue of *The Salvo*. We also hope to show a constant improvement in future issues. But, most of all, we hope that you, the readers, will make *The Salvo* YOUR paper in fact as well as in name. Our pages are open to your contributions; our minds are open to your suggestions and criticism. With these evidences of your interest our job will be made easier and the newspaper will become the kind of publication YOU want. The Staff.

**ARSENAL SETS NEW SAFETY RECORD**  
Watershed Arsenal established a record low civilian employee Accident Frequency Rate of 0.9 for the Fiscal Year 1958, ending June 30. This rate is approximately 30% below the goal set for the period of 1.3, and 55% lower than the best previous calendar year rate of 2.0 established in 1957. The accident rate in all other categories was 0. The new accident rate was set by working 4½ million man-hours with only four employees losing more than one day's work because of an on-the-job injury.

**COL. TISDALE ASSUMES COMMAND**  
New C.O. Comes To Arsenal  
Col. Walter M. Tisdale, until recently, Deputy Ordnance Officer of United States Army Europe, has assumed command of Watershed Arsenal. He succeeds Lt. Col. A. B. C. Nichols, who has been in command since the retirement of Col. E. S. Mathews in May, who resumes his post as Chief of National Industrial Division. Col. Tisdale has just completed a three-year tour of duty in Europe where, prior to his USARL assignment, he was Ordnance Officer of Seventh Army.

**THE WINNER: Ann Capone, Plans and Policy, is presented with a \$25 Savings Bond by John Granato, president of the Civilian Welfare Council. The bond, presented by the CWC to the Arsenal, whose entry in the "Name-This-Paper" contest was judged most apt, went to Ann for her name THE SALVO.**

**"THE SALVO" Judged Winning Name**  
Ann Capone Wins Bond  
After considerable cogitation and consultation, accompanied by assorted head scratches and brow wrinkles, the Civilian Welfare Council selected a winner from the more than 500 entries in the contest to find a name for this paper. Miss Ann Capone, Plans and Policy, has been awarded the \$25 US Savings Bond offered by the CWC for her entry, "THE SALVO", now gracing our masthead. The judges were unanimous in testifying to the difficulty of their task, and emphasized that Ann's entry was out only after terrific competition from literally scores of excellent names.

**Final selection of THE SALVO, was made not only because of its obvious relation to Ordnance and Arsenal products but also because, as Mr. Webster points out, one meaning of "salvo" is burst of applause. And we hope that**

one of the functions of this publication will be to provide printed "bursts of applause" for those Arsenal people whose actions and achievements merit recognition throughout the installation. And, to initiate this function, the Staff hereby presents a triple "salvo" to Ann Capone for providing us with a fitting name; to the judges for their performance of an extremely difficult job and, — a special king-size salvo — to all who participated in the contest.

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# Holiday Toy Drives for: Head Start and The Salvation Army



Photos by John B. Snyder and Billy Martin

## Arsenal Holiday Party

